Title (en)

ASSEMBLIES COMPRISING FLUID TRANSFER SYSTEMS

Title (de)

ANORDNUNGEN MIT FLUIDÜBERTRAGUNGSSYSTEMEN

Title (fr)

AGENCEMENT COMPRENANT DES SYSTÈMES DE TRANSFERT DE FLUIDE

Publication

EP 3726009 A1 20201021 (EN)

Application

EP 20158072 A 20200218

Priority

US 201916388316 A 20190418

Abstract (en)

An assembly (20) is provided for a piece of rotational equipment. This assembly (20) includes a first structure (22), a second structure (26) and a fluid transfer assembly (34). The first structure (22) is configured with an aperture. The second structure (26) is configured as or otherwise includes a port (40). The fluid transfer assembly (34) includes a fluid conduit (54) and a slider element (58). The fluid conduit (54) is configured as a monolithic tubular body that includes a first conduit end (72), a second conduit end (74), a first coupling (94) and a second coupling (114). The fluid conduit (54) extends axially along a centerline (70) from the first conduit end (72), through the aperture and into the port (40) to the second conduit end (74). The first coupling (94) is mated with the first structure (22) through the slider element (58). The second coupling (114) is mated with the second structure (26) through a cone seal interface.

IPC 8 full level

F01D 9/06 (2006.01); **F01D 11/00** (2006.01)

CPC (source: EP US)

F01D 9/065 (2013.01 - EP); **F01D 11/005** (2013.01 - EP); **F16L 3/01** (2013.01 - US); **F16L 21/02** (2013.01 - US)

Citation (search report)

- [XY] US 2009079185 A1 20090326 - CARBINES-EVANS ALEX J [GB], et al
- [Y] EP 1125038 A1 20010822 - PRATT & WHITNEY CANADA [CA]
- [A] US 2013115079 A1 20130509 - FARAH JORGE I [US], et al
- [A] US 2016153315 A1 20160602 - KAPUSTKA THEODORE W [US], et al
- [A] US 2011085895 A1 20110414 - DUROCHER ERIC [CA], et al

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3726009 A1 20201021; US 11274770 B2 20220315; US 2020332921 A1 20201022

DOCDB simple family (application)

EP 20158072 A 20200218; US 201916388316 A 20190418